

FOODMAX AW PAO 46

Productcode: 264001101

Synthetic oils for the food industry

This product is formulated using specially selected synthetic base stocks in combination with the latest additive technology. This product is essentially nontoxic, making it suitable for applications where incidental contact with food or raw materials during the production is possible. Thanks to its great performance characteristics and versatility, the oils can be used in most applications in the manufacturing process in the food production and processing industry.

This product is suitable for use as a hydraulic fluid for both power and motion transfer in machinery operating near food production processes, thanks to its excellent anti-wear properties and neutral character with respect to health. It offers outstanding performance due to its high viscosity index, providing stable, smooth operation across a wide temperature range with flat viscosity-temperature curves. Its excellent low-temperature characteristics make it ideal for hydraulic equipment used in cooling and freezing environments, while the low pour point allows reliable operation below 0 °C, making it highly recommended for equipment operating under start-stop conditions. The product also provides high

stability against viscosity loss due to shearing, excellent anti-foam properties, good de-aeration, very good water demulsifying capacity, and a wide range of viscosities to meet nearly all hydraulic system requirements. Lower friction compared to mineral-based oils results in reduced energy consumption and contributes to a lower carbon footprint. In addition to hydraulic applications, the product is suitable for general lubrication of bearings, slides, chains, and small mechanisms that require a high-performance, clean, and non-contaminating lubricant, with easy application by automatic systems, dripping, spraying, wick feed, or manual methods. It also serves as a light anti-corrosive protector for metallic surfaces that may come into contact with food products, such as wires for canned meat sealing, conveyors, or slides in food packaging equipment and the handling of metallic cans.

Performance level

- DIN 51524 HVLP

Typical Performance Data

Property	Test method	Value
ISO Viscosity Grade	ISO 3448	46
Density @ 15 °C, kg/dm ³	ASTM D1298	0.83
Viscosity @ 40 °C, mm ² /s	ASTM D445	42-50
Viscosity @ 100 °C, mm ² /s	ASTM D445	7.9
Viscosity index	ASTM D2270	>135
Pour point, °C	ASTM D97	< -55
Flash point, °C	ASTM D92	265
FZG A/8.3/90	DIN 51 354	>12

All performance data on this Technical Data Sheet are indicative only and can vary during production.